

On page 1, line 13, delete "a purified", and insert therefor --stabilized--.

On page 1, line 14, after "enzyme", first occurrence, insert --compositions--.

On page 12, line 16, delete "40,366", and insert therefor --40,336--.

On page 34, line 24, delete "copending U.S.", and insert therefor --now abandoned--.

On page 50, line 2, delete "copending U.S. Application", and insert therefor --now abandoned--.

On page 55, line 13, delete "copending U.S. Application", and insert therefor --now abandoned--.

On page 64, line 28, delete "(ATCC \_\_\_\_\_)", and insert therefor --(ATCC 67,605)--.

On page 83, line 19, delete "40366", and insert therefor --40336--.

On page 83, line 26, under the column entitled "ATCC No." and between "3291" and "1/12/88" insert --67605--.

In the Claims

Please amend the claims as follows.

1. (Amended) A stable enzyme composition comprising a purified thermostable nucleic acid polymerase enzyme [that catalyzes combination of nucleotide triphosphates to form a nucleic acid strand complementary to a nucleic acid template strand] in a buffer, comprising one or more non-ionic polymeric detergents.

2. (Amended) The [A] stable enzyme composition [comprising the enzyme] of claim 1, [in a buffer comprising one or more] wherein said non-ionic polymeric detergents have a molecular weight in the range of 100 to 250,000 daltons.

3. (Amended) The [A] stable enzyme composition [comprising the enzyme] of claim [5] [in a buffer comprising one or more] wherein said non-ionic polymeric detergents have a molecular weight in the range of 4,000 to 200,000 daltons.

In Claim 37, line 1, delete "36", and insert therefor --35--.

4. (Amended) The composition of claim 35 wherein the detergent is selected from the group consisting of a polyoxyethylated sorbitan monolaurate, an ethoxylated nonyl phenol, ethoxylated fatty alcohol ethers, and laurylethers, ethoxylated alkyl phenols, octylphenoxy polyethoxy ethanol compounds, modified oxyethylated and/or oxypropylated straight chain alcohols, polyethylene glycol monooleate compounds, polysorbate compounds, and phenolic fatty alcohol ethers or a combination thereof.